

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Soyeon Laub on 12/4/08.

2. The application has been amended as follows:

#### LISTING OF CLAIMS:

6. (Cancelled).

7. (Currently Amended) The ~~utility-computer storage medium~~ of Claim ~~[[6]]~~ 24 wherein the ~~multiple connections means~~ code for facilitating simultaneously maintaining includes code for:

~~means for~~ establishing more than one virtual machine on the terminal, each virtual machine running an open session.

8. (Currently Amended) The ~~utility-computer storage medium~~ of Claim ~~[[6]]~~ 24 wherein the terminal includes a foreground and a background and the ~~multiple connections means~~ code for facilitating simultaneously maintaining includes code for:

~~means for~~ stopping and redisplaying the writing of a screen when a session is moved to the background without saving the screen in memory.

9. (Currently Amended) The ~~utility-computer storage medium~~ of Claim [[8]] 24 wherein the ~~multiple connections means~~ code for facilitating simultaneously maintaining includes code for:

providing virtual machines;[[,]]  
writing to a virtual buffer when at least one of the virtual machines is in a background;  
sending a signal to a graphics application;  
sending a signal from the application out to the server to command it to stop sending display when the application is switched to the background so that traffic relating to the graphics application between the terminal and server is stopped; and  
commanding the server to redisplay a screen when the application is switched back to a foreground.

wherein at least one of the virtual machines has a text buffer so when the at least one of the virtual machines is in the background it has a virtual buffer that it can write to and it continues to run in the background;

wherein at least one of the virtual machines sends a signal to a graphics application, and the application sends a signal out to the server to command it to stop sending display when the application is switched to the background so that traffic relating to the graphics application between the terminal and server is stopped; and the server is commanded to redisplay the screen when the application is switched back to the foreground.

10. (Currently Amended) The ~~utility-computer storage medium~~ of Claim [[6]] 24 wherein the ~~multiple connections means~~ code for facilitating simultaneously maintaining includes code for: a virtual machine;

~~wherein the virtual machine stops~~ stopping of sending and receiving data to and from the server when an application resides in a background session; ~~and[,] the virtual machine~~ commanding the server to refresh the data for the application when the application is switched to a foreground.

14. (Currently Amended) The method of Claim 11 wherein the simultaneously maintaining step includes:

providing virtual machines;

writing to a virtual buffer when at least one of the virtual machines is in ~~the a~~ background;

sending a signal to a graphics application;

sending a signal from the application out to the server to command it to stop sending display when the application is switched to the background so that traffic relating to the graphics application between the terminal and server is stopped;

commanding the server to redisplay ~~the a~~ screen when the application is switched back to ~~the a~~ foreground.

17. (Currently Amended) The ~~utility~~ computer storage medium of Claim [[6]] 24 wherein the terminal is permitted to use the application programs resident on the server, without requiring more than application data to be transmitted from the server.

22. (Cancelled).

24. (Currently Amended) A ~~computer-readable medium or media~~ computer storage medium encoded with instructions for displaying application program information in a windowing environment, the instructions comprising code for:

receiving at a terminal windowing information supplied by application programs executing on a remotely located application system, the application programs resident on the system;

displaying at the terminal the windowing information supplied by the application programs executing on the system; and

facilitating simultaneously maintaining more than one connection for the application programs between the terminal and system,

wherein the terminal is adapted to receive the windowing information,

wherein the terminal is configured to display the windowing information, and

wherein the terminal does not execute locally the windowing information.

25. (Currently Amended) A ~~computer-readable medium or media~~ computer storage medium encoded with instructions for displaying application program information in a windowing environment, the instructions comprising code for:

receiving at a terminal windowing information supplied by application programs executing on a remotely located application system, the application programs resident on the system;

displaying the windowing information supplied by the application programs executing on the system; and

facilitating simultaneously maintaining more than one connection for the application programs between the terminal and system,

wherein the code for facilitating simultaneously maintaining includes code for:

providing virtual machines;  
writing to a virtual buffer when at least one of the virtual machines is in a background;  
sending a signal to a graphics application;  
sending a signal to the system to command it to stop sending display when the application is switched to the background so that traffic relating to the application between the terminal and system is stopped; and  
commanding the system to redisplay a screen when the application is switched back to a foreground.

### **Reason for Allowance**

3. The following is an examiner's statement of reasons for allowance: the closest prior art reference of record does not teach or suggest the feature in which the terminal does not execute locally the windowing information or the feature in which at least one of the virtual machines is configured to send a signal to a graphics application, and the application can send a signal to the server to command it to stop sending display when the application is switched to the background so that traffic relating to the application between the terminal and server is stopped, and the server is configured to be commanded to redisplay a screen when the application is switched back to a foreground.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to John Chavis whose telephone number is (571) 272-3720. The examiner can normally be reached on M-F, 9:00am-5:30pm, EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lewis Bullock can be reached on (571) 272-3759. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/John Chavis/  
Primary Examiner, Art Unit 2193

